

Title (en)

Method and device for analysing an OFDM signal

Title (de)

Verfahren und Einrichtung zur Analyse eines OFDM-Signals

Title (fr)

Procédé et dispositif pour l'analyse d'un signal MDFO

Publication

**EP 1447952 B1 20110622 (EN)**

Application

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Abstract (en)

[origin: EP1447952A1] The invention concerns a method for analysing an OFDM signal (rIF(t)) transporting a series of data symbols on several orthogonal carrier frequencies, each data symbol having a useful part separated by a guard period from neighbouring data symbols, with an analysing device (40) having a signal section (20) with a bandwidth (BWA) smaller than the bandwidth (BWOFDM) of the OFDM signal. The method comprises the steps of low pass filtering of the OFDM signal with a low pass filter (24) and shifting (26) the spectrum of the OFDM signal in order to obtain a frequency shifted filtered OFDM signal (r(i)), whereby the length of the impulse response of the low pass filter (24) is shorter than the length of the guard periods of the data symbols. <IMAGE>

IPC 8 full level

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